

Patent claims

1. A device for connecting a camera lens to a movie camera that has a camera housing with a lens mount and
5 a device for acquiring data relating to the camera lens connected to the lens mount, characterized by a device (7), arranged at an interface (5, 6, 6') between the lens mount (2) of the movie camera (1) and the lens fastening means (4, 4') of the camera lens (3), for
10 storing data relating to the camera lens (3) such as lens type, serial number, conversion tables and the like.
2. The device as claimed in claim 1, characterized in
15 that the data memory for storing the data relating to the camera lens (3) is part of a miniaturized electronic system (7) having a data store and a contact region (6, 6') which is arranged at the data interface and is aligned with the contact region (5) arranged in
20 the lens mount (2) of the movie camera (1).
3. The device as claimed in claim 1 or 2, characterized in that the data memory for storing the data relating to the camera lens (3) or to the
25 miniaturized electronic system (7) is integrated in the lens fastening means (4) of the camera lens (3).
4. The device as claimed in claim 1 or 2, characterized in that the data memory for storing the
30 data relating to the camera lens (3) or to the miniaturized electronic system (7) is integrated in a modified lens fastening means (4') that is connected to the lens fastening means (4) of the camera lens (3) or replaces the latter.

5. The device as claimed in claim 1 or 2, characterized in that the data memory for storing the data relating to the camera lens (3) or to the miniaturized electronic system (7) is arranged in an intermediate flange that is connected to the camera lens (3), on the one hand, and to the lens mount (2) of the movie camera (1), on the other hand.

6. The device as claimed in at least one of the preceding claims, characterized in that the miniaturized electronic system (7) with data memory and standardized electric interface is designed as a circuit foil that is fitted on the lens fastening means (4, 4') of the camera lens (3) such that the contact region (6, 6'), arranged on the standardized electric interface, of the miniaturized electronic system (7) is aligned with the contact region (5) arranged in the lens mount (2) of the movie camera (1).

7. The device as claimed in at least one of the preceding claims, characterized in that the miniaturized electronic system (7) includes a power supply device and/or a voltage buffer.

8. The device as claimed in at least one of the preceding claims, characterized by at least one position sensor, that can be connected to the camera lens (3) for detecting lens settings such as zoom, focus or iris, and for outputting position signals to a control system for camera lenses.

9. The device as claimed in claim 8, characterized by at least one adjusting device, that can be connected to the camera lens (3) for motorized adjustment of zoom, focus or iris settings of the camera lens (3) as a function of desired values that are output by the control system for camera lenses.

10. The device as claimed in claim 8 or 9, characterized in that the position sensor and/or the adjusting device comprise drive units (81, 82, 83) that can be pivoted on lens rings (31, 32, 33) of the camera
5 lens (3).

11. The device as claimed in at least one of the preceding claims, characterized in that the miniaturized electronic system (7) includes a processor
10 for processing the data relating to the camera lens (3) and to the position signals and/or the desired values output by the control system for camera lenses.